

STATUS OF THE CLAIMS:

Claims 1-19, 23, 25-28, 39-44 and 55 are pending;

Claims 2-13, 15-17, 19-20, 25, 27, 28 and 40-44 are original;

Claims 1 and 39 are currently amended;

Claims 14, 18, 23, 26, 55 and 56 are previously presented;

Claims 20, 21, 22, 24, 29-38, 45-54 and 56 are canceled.

PLEASE AMEND THE CLAIMS AS FOLLOWS:

1. (Currently amended) Apparatus for transmission coordination,
comprising:

a first radio transceiver operating in accordance with a first
communication protocol and using a frequency band and configured to communicate with a base
station in accordance with the first communication protocol;

~~a base station operating in accordance with the first communication
protocol~~;

a second radio transceiver operating in accordance with a second
communication protocol and using the frequency band; and

a coordinator associated with the base station for operating the base station
to transmit command signals, in turn, activating the first radio transceiver, deactivating the first
radio transceiver, activating the second radio transceiver, and deactivating the second radio
transceiver,

wherein ~~the first and second radio transceivers communicate substantially~~
~~continuously~~ a first communication utilizing the first communication protocol and a second
communication utilizing the second communication protocol are carried out at the same time,
and further wherein the second radio transceiver only transmits while the first radio transceiver is
not transmitting and the first radio transceiver only transmits while the second radio transceiver
is not transmitting.

2. (Original) The apparatus of claim 1, wherein the frequency band is
about 2.4 GHz.

3. (Original) The apparatus of claim 2, wherein the first communication
protocol is the IEEE 802.11 protocol.

4. (Original) The apparatus of claim 3, wherein the second
communication protocol is the Bluetooth protocol.

5. (Original) The apparatus of claim 4, wherein the first radio transceiver
and the second radio transceiver are mounted together in a housing.

6. (Original) The apparatus of claim 5, wherein the housing is suitable for
wearing on a belt.

7. (Original) The apparatus of claim 5, further comprising one or more slave devices associated with the second transceiver and operating in accordance with the second communication protocol.

8. (Original) The apparatus of claim 7, wherein at least one of the one or more slave devices is a scanner capable of being worn on a user's finger.

9. (Original) The apparatus of claim 8, wherein the scanner is capable of transmitting bar code information to the second transceiver.

10. (Original) The apparatus of claim 7, wherein at least one of the one or more slave devices is a printer.

11. (Original) The apparatus of claim 7, wherein at least one of the one or more slave devices is a personal data managing device.

12. (Original) The apparatus of claim 5, wherein the period between activating the first radio transceiver and deactivating the first radio transceiver comprises a first time period and wherein the period between activating the second radio transceiver and

deactivating the second radio transceiver comprises a second time period, and wherein the first time period and second time period are at fixed, predetermined intervals.

13. (Original) The apparatus of claim 12, wherein the first time period and the second time period are of equal intervals.

14. (Previously presented) Apparatus for transmission coordination, comprising:

a first radio transceiver operating in accordance with a first communication protocol having a power save operating mode and using a frequency band,

a base station operating in accordance with the first communication protocol;

a second radio transceiver operating in accordance with a second communication protocol and using the frequency band, wherein the first radio transceiver and the second radio transceiver are mounted together in a housing;

a coordinator associated with the housing, for deactivating the first radio transceiver and activating the second radio transceiver when said first radio transceiver is in said power save mode.

15. (Original) The apparatus of claim 14, wherein the frequency band is about 2.4 GHz.

16. (Original) The apparatus of claim 15, wherein the first communication protocol is the IEEE 802.11 protocol.

17. (Original) The apparatus of claim 16, wherein the second communication protocol is the Bluetooth protocol.

18. (Previously presented) Apparatus for transmission coordination, comprising:

a first radio transceiver operating in accordance with a first communication protocol and using a frequency band,

a base station operating in accordance with the first communication protocol;

a second radio transceiver operating in accordance with a second communication protocol and using the frequency band, wherein the first radio transceiver and the second radio transceiver are mounted together in a housing;

a coordinator associated with the housing, for, in turn, activating the first radio transceiver, deactivating the first radio transceiver, activating the second radio transceiver, and deactivating the second radio transceiver wherein the period between activating the first radio transceiver and deactivating the first radio transceiver comprises a first time period and wherein the period between activating the second radio transceiver and deactivating the second

radio transceiver comprises a second time period, and wherein the first time period and second time period are at fixed, predetermined intervals.

19. (Original) The apparatus of claim 18, wherein the first time period and the second time period are of equal intervals.

~~20. (Canceled) Apparatus for transmission coordination, comprising:~~
~~a first radio transceiver operating in accordance with an IEEE 802.11~~
~~protocol and using a frequency band of about 2.4 GHz and having a first antenna system;~~
~~a base station operating in accordance with the IEEE 802.11 protocol;~~
~~a second radio transceiver operating in accordance with a Bluetooth~~
~~protocol and using the frequency band of about 2.4 GHz and having a second antenna system;~~
~~wherein the first antenna system and the second antenna system are of~~
~~orthogonal polarization.~~

21. (Canceled)

22. (Canceled)

23. (Previously presented) Apparatus for transmission coordination,
comprising:

a first radio transceiver operating in accordance with an IEEE 802.11
protocol and using a frequency band of about 2.4 GHz, the frequency band of about 2.4 GHz
having two or more sub-bands;

a base station operating in accordance with the IEEE 802.11 protocol;

a second radio transceiver operating as a master in accordance with a
Bluetooth protocol wherein a first sub band is used by a Bluetooth master and a second sub band
is used by a Bluetooth slave and using the frequency band of about 2.4 GHz;

wherein the second radio transceiver is equipped with a look-ahead
function for determining whether signals are present on the first and second sub-bands.

24. (Canceled)

25. (Original) A method for operating a portable data communications
device using first and second wireless data communications protocol comprising:

operating said data communications device in a power saving mode of
said first communication protocol, whereby said device has active time periods for transmitting
and receiving data communications signals using said first communications protocol and
dormant time periods during which said device neither transmits nor receives data
communications signals using said first protocol;

operating said data communications device as a master device according to said second communications protocol whereby said data communication device controls operation of slave devices communicating therewith; and

controlling said operation according to said second data communications protocol to operate only during said dormant time periods.

26. (Previously presented) A method for operating a portable data communications device using first and second wireless data communications protocol comprising:

operating said data communications device in a power saving mode of said first communication protocol, whereby said device has active time periods for transmitting and receiving data communications signals using said first communications protocol and dormant time periods during which said device neither transmits nor receives data communications signals using said first protocol;

operating said data communications device as a master device according to said second communications protocol whereby said data communication device controls operation of slave devices communicating therewith; and

controlling said operation according to said second data communications protocol to operate only during said dormant time periods wherein said controlling comprises providing a signal indicating that said active time period will commence following a

predetermined time interval and terminating operation according to said second data communication protocol during said predetermined time interval.

27. (Original) A method as specified in claim 25 wherein said first wireless data communications protocol is the IEEE 802.11 protocol.

28. (Original) A method as specified in claim 27 wherein said second wireless communication protocol is Bluetooth.

29. (Canceled)

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (Canceled)

34. (Canceled)

35. (Canceled)

36. (Canceled)

37. (Canceled)

38. (Canceled)

39. (Currently amended) A method for providing voice communications in a wireless data communications system having a mobile unit arranged to communicate with an access point using a first data communications protocol and arranged to communicate with other devices using a second data communications protocol, comprising:

communicating data corresponding to said voice communication between said access point and said mobile unit using said first data communications protocol;

communicating said data corresponding to said voice communications between said mobile unit and a portable device using said second data communication protocol, said communication being arranged at time intervals which avoid interference with said communicating using said first data communications protocol; and

converting voice signals to data corresponding to said voice signals and converting data signals corresponding to voice signal into voice signals in said portable device,

wherein communications utilizing the first data communication protocol and communications utilizing the second data communication protocol are carried out at the same time, and further wherein said mobile unit transmits to said access point only when said mobile unit is not transmitting to said portable device and said mobile unit transmits to said portable device only when said mobile unit is not transmitting to said access point.

40. (Original) A method as specified in claim 39 wherein said data corresponding to voice signals comprises compressed voice signal data.

41. (Original) A method as specified in the claim 39 wherein said first communications protocol is the IEEE 802.11 protocol.

42. (Original) A method according to claim 41 wherein said second communication protocol is Bluetooth.

43. (Original) A method according to claim 42 wherein said communication between said mobile unit and said portable device uses a Bluetooth ACL link.

44. (Original) A method as specified in claim 43 wherein said data corresponding to voice signals comprises compressed voice signal data.

45. (Canceled)

46. (Canceled)

47. (Canceled)

48. (Canceled)

49. (Canceled)

50. (Canceled)

51. (Canceled)

52. (Canceled)

53. (Canceled)

54. (Canceled)

55. (Previously presented) The apparatus of claim 5 wherein said command signals are global clear to send (CTS) signals.

56. (Canceled) ~~The apparatus of claim 20 wherein said second radio transceiver is arranged to transmit at a power level of about 0 dBm.~~